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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/388,609	09/02/99	MEKURIA	F 2466-36

NIXON & VANDERHYE PC  
1100 N GLEBE RD 8TH FLOOR  
ARLINGTON VA 22201

TM02/0605

EXAMINER

ARMSTRONG, A

ART UNIT

PAPER NUMBER

2641

DATE MAILED:

06/05/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

<b>Office Action Summary</b>	<b>Application No.</b> 09/388,609	<b>Applicant(s)</b> MEKURIA, FISSEHA	
	<b>Examiner</b> Angela A. Armstrong	<b>Art Unit</b> 2641	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 21 March 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

### Attachment(s)

- |   |  |
|---|--|
| 15) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                  | 18) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 16) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 19) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 17) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 20) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Basore et al (US Patent No. 5,752,232) in view of Gupta et al (US Patent No. 5,515,475).

3. Regarding claims 1-2, 6-7, and 12, Basore et al teaches:

Vocabulary and different groups of words at col. 4, lines 22-29;

Speaking voice commands at col. 4, lines 52-56;

Selecting from plurality of groups based on words spoken by user at col. 5, lines 9-22;

Speaking voice commands into a mobile telephone at Figure 1, col. 2, lines 18-48.

Basore et al teaches that the vocabulary is stored in a database or dictionary, but does not specifically disclose the structure as a trellis. However, refer to Gupta et al who teach a speech recognition method, which implements trellis/tree structures for matching spoken utterances to stored vocabulary words (abstract: col. 4, lines 4-14) for the purpose of reducing the time taken to match a vocabulary word to a spoken utterance and thereby reducing recognition time delay without sacrificing accuracy of recognition (col. 2, lines 12-20).

Therefore, it would have been obvious to one of ordinary skill at the time of invention to modify the voice activated recognition system of Basore et al to implement the trellis/tree recognition methods of Gupta et al, for the purpose of reducing the time taken to match a vocabulary word to a spoken utterance and thereby reducing recognition time delay without sacrificing accuracy of recognition, as suggested by Gupta et al.

4. Regarding claims 3 and 8, Basore et al teaches output of words to be recognized at col. 5, lines 9-40.
5. Regarding claims 4 and 9, Basore et al teaches a voice prompter at col. 4, lines 13-21.
6. Regarding claims 5, 10, 11, and 13, Basore et al do not specifically teach an automatic word group generation system, however, it would have been obvious to one of ordinary skill at the time of invention to modify Basore et al to generate new groups or menus of words when the size of the word list exceeds a certain number, for the purpose of reducing the number of words output to the user during enunciation or display of active vocabulary words.

#### ***Response to Arguments***

7. Applicant's arguments with respect to claims 1-13 have been considered but are moot in view of the new ground(s) of rejection.

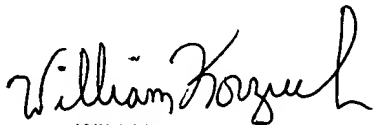
Art Unit: 2641

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela A. Armstrong whose telephone number is 703-308-6258. The examiner can normally be reached on Monday-Thursday 7:30-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William R. Korzuch can be reached on 703-305-6137. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-6306 for regular communications and 703-308-6296 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

AAA  
June 1, 2001

  
WILLIAM KORZUCH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800